

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 09-119932

(43)Date of publication of application : 06.05.1997

(51)Int.Cl.

G01N 33/72
C12Q 1/00
G01N 21/78
G01N 33/52

(21)Application number : 08-239666

(71)Applicant : KDK CORP

(22)Date of filing : 07.08.1996

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(30)Priority

Priority number : 07231909 Priority date : 07.08.1995 Priority country : JP

(54) METHOD FOR AVOIDING EFFECT OF HEMOGLOBIN

(57)Abstract:

PROBLEM TO BE SOLVED: To avoid the effect of absorption wavelength of hemoglobin by setting the measuring wavelength in a specific range when color reaction is measured through light absorption.

SOLUTION: When color reaction is measured through light absorption, the measuring wavelength is set in the range of about 517-529nm or about 580-592nm, preferably in the range of about 520-526nm or about 583-589nm. The change with time does not take place in the absorption of hemoglobin within such wavelength range. The wavelength range may fluctuate slightly depending on the temperature at the time of measurement but it is negligible at least in the temperature range of 20-40° C. It is especially effective when rate assay is employed for measuring the reaction rate of a dry analytic element especially at two points or more and also effective sufficiently for liquid system. Both oxidative and reductive coloring agents may be used as a measuring system so long as it is a visible coloring agent. Since blank test is not conducted, operation is not doubled and both hemoglobin and target component are not degenerated.

LEGAL STATUS

[Date of request for examination] 28.08.2001

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number] 3300612

[Date of registration] 19.04.2002

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's
decision of rejection]

[Date of extinction of right]

(19) 日本国特許庁 (J P)

(12) 公開特許公報 (A)

(11) 特許出願公開番号

特開平9-119932

(43) 公開日 平成9年(1997)5月6日

(51) Int.Cl. ⁵	識別記号	庁内整理番号	F I	技術表示箇所
G 0 1 N 33/72			G 0 1 N 33/72	A
C 1 2 Q 1/00		7823-4B	C 1 2 Q 1/00	Z
G 0 1 N 21/78			G 0 1 N 21/78	A
33/52			33/52	B

審査請求 未請求 請求項の数 6 書面 (全 5 頁)

(21) 出願番号 特願平8-239666

(22) 出願日 平成8年(1996)8月7日

(31) 優先権主張番号 特願平7-231909

(32) 優先日 平7(1995)8月7日

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(54) 【発明の名称】 ヘモグロビンの影響回避方法

(57) 【要約】

【課題】 例えば乾式分析要素で呈色変化を光吸収を用いて測定する際に、溶血ヘモグロビンの影響を、盲検を行わず、ヘモグロビンを変性させず、650nm以上で測定する方法よりも確実で、乾式分析要素の手軽さ・簡便性も損なわない方法で回避すること。

【解決手段】 測定波長を517nm～529nmか、又は、580nm～592nmに設定する。好ましくは、520nm～526nmか、又は、583nm～589nmに設定する。

